Form Approved OMB No. 2070-0060

401 M Street, S.W.

WASHINGTON, D.C. 20460

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| Date 10/21/2013  |                                       | DATA MATRIX | EPA Reg.No./File Symbol 1677-164                          |        | Page 1 of 3   |  |
|--|---------------------------------------|-------------|---|--------|---------------|--|
| CONTROL OF THE PARTY OF THE PAR | 4000 0 4 1 1 0000                     |             | Product   |        | Trage 1 of 5  |  |
| Applicant/Registrant N   |                                       |             |   |        |               |  |
| Ecolab Inc., 370 N. Wabasha Street, St. Paul, MN 55102   |                                       | Tsunami 100 |   |        |               |  |
| Ingredient:  | hydrogen peroxide, peroxyacetic acid  |             |   |        |               |  |
| Guideline  |                                       |             |   |        |               |  |
| Reference Number   | Guideline Study Name                  | MRID Number | Submitter   | Status | Note          |  |
| 830.1550   | Product Identity                      | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.1600   | Description of beginning materials    | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 330.1620   | Description of production process     | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 330.1650   | Description of formulation process    | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.1670   | Discussion of Formation of Impurities | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.1700   | Prelimnary Analysis                   | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.1750   | Certification of limits               | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.1800   | Analytical method                     | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.6302   | Color                                 | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.6303   | Physical state                        | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.6304   | Odor                                  | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.6313   | Stability                             | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.6314   | Oxidation Reduction                   | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.6315   | Flamability                           | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.6316   | Expoladability                        | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.6317   | Storage Stability                     | 46095801    | Ecolab Inc.   | OWN    |               |  |
| 830.6317   | Storage Stability accelerated         | 43921802    | Ecolab Inc.   | OWN    |               |  |
| 830.6319   | Miscibility                           | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.6320   | Corrosion characteristics             | 46095801    | Ecolab Inc.   | OWN    |               |  |
| 830.6320   | Corrosion characteristics accelerated | 43921802    | Ecolab Inc.   | OWN    |               |  |
| 830.6321   | Dieletric Breakdown                   | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.7000   | pII                                   | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.7100   | Viscosity                             | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.7200   | Melting Point                         | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.7220   | Boiling Point                         | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.7300   | Density                               | 43921801    | Ecolab Inc.   | OWN    |               |  |
| 830.7370   | Dissassociation constant              | 43921801    | Ecolab Inc.   | OWN    |               |  |
| Signature /  | Short                                 |             | Name and Title Ron Derbyshire<br>Sr. Manager, NA Biocides |        | Date 10/21/13 |  |

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|--|---|----------------|---|--------|---------------|
| Date 10/21/2013                                  |   |                | EPA Reg.No./File Symbol 1677-164                          |        | Page 2 of 3   |
| Applicant/Registrant Name & Address              |   | Product        |   |        |               |
| Ecolab Inc., 370 N. Wa                           | abasha Street, St. Paul, MN 55102         |                | Tsunami 100   |        |               |
| Ingredient: hydrogen peroxide, peroxyacetic acid |   |                |   |        |               |
| Guideline  |   |                |   |        |               |
| Reference Number                                 | Guideline Study Name                      | MRID Number    | Submitter   | Status | Note          |
| 830.7570   | Octanol/Water partition coefficient       | 43921801       | Ecolab Inc.   | OWN    |               |
| 830.7860   | Solubility                                | 43921801       | Ecolab Inc.   | OWN    |               |
| 830.7950   | Vapor Pressure                            | 43921801       | Ecolab Inc.   | OWN    |               |
| 870.1100   | Acute oral toxicity (concentration)       | 43921803       | Ecolab Inc.   | OWN    |               |
| 870.1200   | Acute dermal toxicity (concentration)     | CITE ALL       | Data Submitters List                                      | PAY    |               |
| 870.1300   | Acute inhalation toxicity (concentration) | CITE ALL       | Data Submitters List                                      | PAY    |               |
| 870.2400   | Acute eye irritation (concentration)      | CITE ALL       | Data Submitters List                                      | PAY    |               |
| 870.2500   | Acute dermal irritation (concentration)   | CITE ALL       | Data Submitters List                                      | PAY    |               |
| 870.2600   | Skin sensitization (concentration)        | CITE ALL       | Data Submitters List                                      | PAY    |               |
| 870.1100   | Acute oral toxicity (use dilution)        | to be assigned | Ecolab Inc.   | OWN    |               |
| 870.1200   | Acute dermal toxicity (use dilution)      | CITE ALL       | Data Submitters List                                      | PAY    |               |
| 870.1300   | Acute inhalation toxicity (use dilution)  | 48511802       | Data Submitters List                                      | OWN    |               |
| 870.2400   | Acute eye irritation (use dilution)       | to be assigned | Ecolab Inc.   | OWN    |               |
| 870.2500   | Acute dermal irritation (use dilution)    | to be assigned | Ecolab Inc.   | OWN    |               |
| 870.2600   | Skin sensitization (use dilution)         | CITE ALL       | Data Submitters List                                      | PAY    |               |
| Signature /                                      | lehopen                                   |                | Name and Title Ron Derbyshire<br>Sr. Manager, NA Biocides |        | Date 10/21/13 |

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|                        |  | DATA MATRIX |                                  |        |                                      |
|------------------------|--|-------------|----------------------------------|--------|--------------------------------------|
| Date 10/21/2013        |  |             | EPA Reg.No./File Symbol 1677-164 |        | Page 3 of 3                          |
| Applicant/Registrant N | ame & Address  |             | Product                          |        |                                      |
| Ecolab Inc., 370 N. Wa | basha Street, St. Paul, MN 55102                         |             | Tsunami 100                      |        |                                      |
| Ingredient:            | hydrogen peroxide, peroxyacetic acid                     |             |                                  |        |                                      |
| Guideline              |  |             |                                  |        |                                      |
| Reference Number       | Guideline Study Name                                     | MRID Number | Submitter                        | Status | Note                                 |
| 91-2                   | Pathogen Reduction in Fruit & Vegetable Process<br>Water | 46343901    | Ecolab Inc.                      | OWN    |                                      |
| 91-2                   | Non-Food Contact Surface Sanitizing Efficacy             | 44214801    | Ecolab Inc.                      | OWN    | reference from EPA Reg. 1677-<br>185 |
| 91-2                   | Non-Pood Contact Surface Sanitizing Efficacy-Supp.       | 44214802    | Ecolab Inc.                      | OWN    | reference from EPA Reg. 1677-<br>185 |
| 91-2                   | Food Contact Surface Sanitizing Efficacy                 | 44195801    | Ecolab Inc.                      | OWN    | reference from EPA Reg. 1677-<br>185 |
| 171-4C                 | Residue on Cantaloupe seeds                              | 45279001    | Ecolab Inc.                      | OWN    |                                      |
|                        |  |             |                                  |        |                                      |
| Signature              | Chali:   |             | Name and Title Ron Derbyshire    |        | Date 10/2/13                         |

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| Date 10/21/2013                                  |   |                        | EPA Reg.No./File Symbol 1677-164   | National Property | Page 1 of 3           |  |  |
| Applicant/Registrant N<br>Ecolab Inc., 370 N. Wa | arne & Address<br>basha Street, St. Paul, MN 55102  |                        | Product<br>Tsunami 100   |                   |                       |  |  |
| Ingredient:                                      | hydrogen peroxide, peroxyacetic acid  |                        |  |                   |                       |  |  |
| Guideline<br>Reference Number                    | Guideline Study Name  | MRID Number            | Submitter  | Status            | Note                  |  |  |
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| Signature  |   |                        | Name and Title Ron Derbyshire  |                   | Date 10/21/13         |  |  |
| 1000   | delphin   |                        | Sr. Manager, NA Biocides   |                   | 10/01115              |  |  |

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| pplicant/Registrant N       | ame & Address  |                                       | Product  |   |                                       |
| colab Inc., 370 N. Wa       | basha Street, St. Paul, MN 55102   |                                       | Tsunami 100  |   |                                       |
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| uideline<br>eference Number | Guideline Study Name   | MRID Number                           | Submitter  | Status                                  | Note                                  |
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| ignature //                 | Calmara.   |                                       | Name and Title Ron Derbyshire Sr. Manager, NA Biocides |   | Date 10/21/13                         |

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| Date 10/21/2013               |  |                                       | EPA Reg.No./File Symbol 1677-164 |                   | Page 3 of 3                          |
| Applicant/Registrant N        | ame & Address                                |                                       | Product                          |                   |                                      |
| Ecolab Inc., 370 N. Wa        | basha Street, St. Paul, MN 55102             |                                       | Tsunami 100                      |                   |                                      |
| Ingredient:                   | hydrogen peroxide, peroxyacetic acid         |                                       |                                  |                   |                                      |
| Guideline<br>Reference Number | Guideline Study Name                         | MRID Number                           | Submitter                        | Status            | Note                                 |
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| Signature                     | 2001   |                                       | Name and Title Ron Derbyshire    |                   | Date / /                             |
| /                             | on debroh.                                   |                                       | Sr. Manager, NA Biocides         |                   | Date 10/21/13                        |

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|   | GENERIO  | C DATA MATRIX  |   |                          |                     |
|---|--|--|---|--------------------------|---------------------|
| Date October 21, 2013   |  | EPA Reg. No./File S  | Symbol 1677-164   | Page 1 of                | 1                   |
| Applicant's/Registrant's Name<br>Ecolab Inc<br>370 Wabasha Street North<br>St. Paul, MN 55102 | & Address  | Product Tsunami 100  |   |                          |                     |
| Ingredient: Hydrogen Peroxid  | e  |  | NOT THE RESIDENCE OF THE PARTY | ACTUAL CONTRACTOR OF THE | THE PERSON NAMED IN |
| Guideline Reference Number  | Guideline Study Name   | MRID Number  | Submitter   | Status                   | Note                |
| OPPTS Series 835  | Environmental Fate waived as per Peroxy Compounds RED 1993.  | WAIVED   |   | WAIVED                   |                     |
| OPPTS Series 850  | Non-target Organisms Ecological effects waived as per Peroxy Compounds RED 1993.                               | WAIVED   |   | WAIVED                   |                     |
| OPPTS Series 860  | Residue Chemistry  | All appropriate tolerances or exemptions from tolerance have been established. |   |                          |                     |
| OPPTS Series 870  | Toxicology Requirements waived as per Peroxy Compounds RED 1993.   | WAIVED   |   | WAIVED                   |                     |
| OPPTS Series 875  | Occupational / Residential Exposure waived as per Peroxy Compounds RED 1993.                                   | WAIVED   |   | WAIVED                   |                     |
| OPPTS Series 830  | Product Chemistry Requirements Sufficient<br>for Continued Registration as per the 2009<br>Registration Review | All appropriate pro  | duct chemistry data requirement   | nts satisfied.           |                     |
| Signature Outro   | h  | Name and Title<br>Ron Derbyshire, Sr.  | Manager, NA Biocides  | Date 10/21/              | 13                  |

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| Applicant's/Registrant's Name & | & Address  | Product  |                      |        |      |
| Ecolab Inc                      |  | Tsunami 100  |                      |        |      |
| 370 Wabasha Street North        |  |  |                      |        |      |
| St. Paul, MN 55102              |  |  |                      |        |      |
| Ingredient: Peroxyacetic Acid   |  |  |                      |        |      |
| Guideline Reference Number      | Guideline Study Name   | MRID Number  | Submitter            | Status | Note |
| OPPTS Series 835                | Environmental Fate waived as per Peroxy Compounds RED 1993.                      | WAIVED   |                      | WAIVED |      |
| OPPTS Series 850                | Non-target Organisms Ecological effects waived as per Peroxy Compounds RED 1993. | WAIVED   |                      | WAIVED |      |
| OPPTS Series 860                | Residue Chemistry  | All appropriate tolerances or exemptions from tolerance have been established. |                      |        |      |
| OPPTS Series 870                | Toxicology Requirements waived as per Peroxy Compounds RED 1993.                 | WAIVED   |                      | WAIVED |      |
| OPPTS Series 875                | Occupational / Residential Exposure waived as per Peroxy Compounds RED 1993.     | WAIVED   |                      | WAIVED |      |
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